

Abstract

The tert-butyl ester of an aliphatic C₁-C₄-carboxylic acid is
5 prepared by reacting the carboxylic acid with isobutene
in the liquid phase in the presence of an acidic catalyst by a
continuous process in which the reaction is carried out in a
reactor divided into a plurality of sections, the carboxylic
acid, the isoolefin and the catalyst are fed into the first
10 section of the reactor, the reaction mixture obtained is removed
from the last section of the reactor and the ester is isolated
therefrom, the reaction temperature in the reactor being
controlled so that it is from 10 to 40°C and is highest in the
first section of the reactor.

15 The novel process permits the technically simple, economical and
environmentally friendly preparation of tertiary butyl esters of
saturated and unsaturated C₁-C₄-carboxylic acids.

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